

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,528BDATE: 11/04/1999
TIME: 15:58:03

INPUT SET: S33856.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information
4 (i) APPLICANT: Koizumi, Satoshi
5 Sasaki, Katsutoshi
6 Endo, Tetsuo
7 Tabata, Kazuhiko
8 Ozaki, Akio
9 (ii) TITLE OF INVENTION: Processes for Producing Sugar
10 Nucleotides
11 and Complex Carbohydrates
12 (iii) NUMBER OF SEQUENCES: 27
13 (iv) CORRESPONDENCE ADDRESS:
14 (A) ADDRESSEE: Fitzpatrick, Cella, Harper & Scinto
15 (B) STREET: 30 Rockefeller Plaza
16 (C) CITY: New York
17 (D) STATE: New York
18 (E) COUNTRY: USA
19 (F) ZIP: 10112-3801
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
22 (B) COMPUTER: pc
23 (C) OPERATING SYSTEM: MS-DOS
24 (D) SOFTWARE: PatentIn ver. 2.0
25 (vi) CURRENT APPLICATION DATA:
26 (A) APPLICATION NUMBER: 09/068,528
27 (B) FILING DATE: 13-MAY-1998
28 (C) CLASSIFICATION: 536
29 (viii) ATTORNEY/AGENT INFORMATION:
30 (A) NAME: Perry, Lawrence S.
31 (B) REGISTRATION NUMBER: 31865
32 (C) REFERENCE/DOCKET NUMBER: 766.20
33 (ix) TELECOMMUNICATION INFORMATION:
34 (A) TELEPHONE: (212) 218-2100
35 (B) TELEFAX: (212) 218-2200
36
37 (2) INFORMATION FOR SEQ ID NO:1:
38 (i) SEQUENCE CHARACTERISTICS:
39 (A) LENGTH: 31 base pairs
40 (B) TYPE: nucleic acid
41 (C) STRANDEDNESS: single
42 (D) TOPOLOGY: linear
43 (ii) MOLECULE TYPE: synthetic DNA
44 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
45 GGAGAAAGCT TATGGCTGCC ATTAATACGA A
46

31

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,528BDATE: 11/04/1999
TIME: 15:58:03

INPUT SET: S33856.raw

47 (2) INFORMATION FOR SEQ ID NO:2:
48 (i) SEQUENCE CHARACTERISTICS:
49 (A) LENGTH: 30 base pairs
50 (B) TYPE: nucleic acid
51 (C) STRANDEDNESS: single
52 (D) TOPOLOGY: linear
53 (ii) MOLECULE TYPE: synthetic DNA
54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
55 AACACGGATC CGGATGTTAC TTCTTAATGC 30
56
57 (2) INFORMATION FOR SEQ ID NO:3:
58 (i) SEQUENCE CHARACTERISTICS:
59 (A) LENGTH: 28 base pairs
60 (B) TYPE: nucleic acid
61 (C) STRANDEDNESS: single
62 (D) TOPOLOGY: linear
63 (ii) MOLECULE TYPE: synthetic DNA
64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
65 ATGGAGGATC CTGCTCTGTA TACCGTCT 28
66
67 (2) INFORMATION FOR SEQ ID NO:4:
68 (i) SEQUENCE CHARACTERISTICS:
69 (A) LENGTH: 20 base pairs
70 (B) TYPE: nucleic acid
71 (C) STRANDEDNESS: single
72 (D) TOPOLOGY: linear
73 (ii) MOLECULE TYPE: synthetic DNA
74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
75 TGCTGGTCGA CCTGCGCTTG 20
76
77 (2) INFORMATION FOR SEQ ID NO:5:
78 (i) SEQUENCE CHARACTERISTICS:
79 (A) LENGTH: 31 base pairs
80 (B) TYPE: nucleic acid
81 (C) STRANDEDNESS: single
82 (D) TOPOLOGY: linear
83 (ii) MOLECULE TYPE: synthetic DNA
84 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
85 AAGGAAAGCT TATGACGCAA TTTAATCCCG T 31
86
87 (2) INFORMATION FOR SEQ ID NO:6:
88 (i) SEQUENCE CHARACTERISTICS:
89 (A) LENGTH: 20 base pairs
90 (B) TYPE: nucleic acid
91 (C) STRANDEDNESS: single
92 (D) TOPOLOGY: linear
93 (ii) MOLECULE TYPE: synthetic DNA
94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
95 GCAAAGTTAA CAGTCGGTAC 20
96
97 (2) INFORMATION FOR SEQ ID NO:7:
98 (i) SEQUENCE CHARACTERISTICS:
99 (A) LENGTH: 31 base pairs

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,528BDATE: 11/04/1999
TIME: 15:58:03

INPUT SET: S33856.raw

100 (B) TYPE: nucleic acid
101 (C) STRANDEDNESS: single
102 (D) TOPOLOGY: linear
103 (ii) MOLECULE TYPE: synthetic DNA
104 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
105 TCAGGAAGCT TATGTTGAAT AATGCTATGA G 31
106
107 (2) INFORMATION FOR SEQ ID NO:8:
108 (i) SEQUENCE CHARACTERISTICS:
109 (A) LENGTH: 27 base pairs
110 (B) TYPE: nucleic acid
111 (C) STRANDEDNESS: single
112 (D) TOPOLOGY: linear
113 (ii) MOLECULE TYPE: synthetic DNA
114 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
115 TCTCCGATC CCATGTGACC GGGTTAG 27
116
117 (2) INFORMATION FOR SEQ ID NO:9:
118 (i) SEQUENCE CHARACTERISTICS:
119 (A) LENGTH: 28 base pairs
120 (B) TYPE: nucleic acid
121 (C) STRANDEDNESS: single
122 (D) TOPOLOGY: linear
123 (ii) MOLECULE TYPE: synthetic DNA
124 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
125 TCTAAATCGA TGCAGACAAA GGACAAAG 28
126
127 (2) INFORMATION FOR SEQ ID NO:10:
128 (i) SEQUENCE CHARACTERISTICS:
129 (A) LENGTH: 27 base pairs
130 (B) TYPE: nucleic acid
131 (C) STRANDEDNESS: single
132 (D) TOPOLOGY: linear
133 (ii) MOLECULE TYPE: synthetic DNA
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
135 TTGCAGGATC CTCGTAGGCC TGATAAG 27
136
137 (2) INFORMATION FOR SEQ ID NO:11:
138 (i) SEQUENCE CHARACTERISTICS:
139 (A) LENGTH: 20 base pairs
140 (B) TYPE: nucleic acid
141 (C) STRANDEDNESS: single
142 (D) TOPOLOGY: linear
143 (ii) MOLECULE TYPE: synthetic DNA
144 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
145 TGATATCCGC TCCCTTTCCG 20
146
147 (2) INFORMATION FOR SEQ ID NO:12:
148 (i) SEQUENCE CHARACTERISTICS:
149 (A) LENGTH: 26 base pairs
150 (B) TYPE: nucleic acid
151 (C) STRANDEDNESS: single
152 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,528BDATE: 11/04/1999
TIME: 15:58:04

INPUT SET: S33856.raw

153 (ii) MOLECULE TYPE: synthetic DNA
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
155 ACAGCGGATC CGATGTGTTC GCTGAG 26
156
157 (2) INFORMATION FOR SEQ ID NO:13:
158 (i) SEQUENCE CHARACTERISTICS:
159 (A) LENGTH: 29 base pairs
160 (B) TYPE: nucleic acid
161 (C) STRANDEDNESS: single
162 (D) TOPOLOGY: linear
163 (ii) MOLECULE TYPE: synthetic DNA
164 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
165 ACAGCAAGCT TTTGACTTTA GCGGAGCAG 29
166
167 (2) INFORMATION FOR SEQ ID NO:14:
168 (i) SEQUENCE CHARACTERISTICS:
169 (A) LENGTH: 29 base pairs
170 (B) TYPE: nucleic acid
171 (C) STRANDEDNESS: single
172 (D) TOPOLOGY: linear
173 (ii) MOLECULE TYPE: synthetic DNA
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
175 GAGTTGGATC CCGATATAAA AGGAAGGAT 29
176
177 (2) INFORMATION FOR SEQ ID NO:15:
178 (i) SEQUENCE CHARACTERISTICS:
179 (A) LENGTH: 25 base pairs
180 (B) TYPE: nucleic acid
181 (C) STRANDEDNESS: single
182 (D) TOPOLOGY: linear
183 (ii) MOLECULE TYPE: synthetic DNA
184 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:
185 TTTTAAAGCT TCATTTATCA AGAGT 25
186
187 (2) INFORMATION FOR SEQ ID NO:16:
188 (i) SEQUENCE CHARACTERISTICS:
189 (A) LENGTH: 31 base pairs
190 (B) TYPE: nucleic acid
191 (C) STRANDEDNESS: single
192 (D) TOPOLOGY: linear
193 (ii) MOLECULE TYPE: synthetic DNA
194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:
195 TTTTGTGATAT CCCCAATGCT GGGGGTTTTT G 31
196
197 (2) INFORMATION FOR SEQ ID NO:17:
198 (i) SEQUENCE CHARACTERISTICS:
199 (A) LENGTH: 31 base pairs
200 (b)TYPE: nucleic acid
201 (C) STRANDEDNESS: single
202 (D) TOPOLOGY: linear
203 (ii) MOLECULE TYPE: synthetic DNA
204 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:
205 CGTCAAAGCT TAAATGATAT TCGGGGATAA T 31

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/068,528BDATE: 11/04/1999
TIME: 15:58:04

INPUT SET: S33856.raw

206
207 (2) INFORMATION FOR SEQ ID NO:18:
208 (i) SEQUENCE CHARACTERISTICS:
209 (A) LENGTH: 25 base pairs
210 (B) TYPE: nucleic acid
211 (C) STRANDEDNESS: single
212 (D) TOPOLOGY: linear
213 (ii) MOLECULE TYPE: synthetic DNA
214 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:
215 AGGGAGGATC CGACATTACT CGTTC 25
216
217 (2) INFORMATION FOR SEQ ID NO:19:
218 (i) SEQUENCE CHARACTERISTICS:
219 (A) LENGTH: 33 base pairs
220 (B) TYPE: nucleic acid
221 (C) STRANDEDNESS: single
222 (D) TOPOLOGY: linear
223 (ii) MOLECULE TYPE: synthetic DNA
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:
225 CCGCAAGATC TCGTAAAAAG GGTATCGATA AGC 33
226
227 (2) INFORMATION FOR SEQ ID NO:20:
228 (i) SEQUENCE CHARACTERISTICS:
229 (A) LENGTH: 27 base pairs
230 (B) TYPE: nucleic acid
231 (C) STRANDEDNESS: single
232 (D) TOPOLOGY: linear
233 (ii) MOLECULE TYPE: synthetic DNA
234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:
235 TTGGGAAGCT TCCGGCAAAT GTGGTTT 27
236
237 (2) INFORMATION FOR SEQ ID NO:21:
238 (i) SEQUENCE CHARACTERISTICS:
239 (A) LENGTH: 25 base pairs
240 (B) TYPE: nucleic acid
241 (C) STRANDEDNESS: single
242 (D) TOPOLOGY: linear
243 (ii) MOLECULE TYPE: synthetic DNA
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:
245 ATAAACTCGA GAGAGACAAG CGGAG 25
246
247 (2) INFORMATION FOR SEQ ID NO:22:
248 (i) SEQUENCE CHARACTERISTICS:
249 (A) LENGTH: 27 base pairs
250 (B) TYPE: nucleic acid

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/068,528B

DATE: 11/04/1999
TIME: 15:58:05

INPUT SET: S33856.raw

Line	Error	Original Text
28	Wrong Classification	(C)CLASSIFICATION: 536